

AUX GROUP

Established in 1986, AUX Group is an enterprise which covers 5 industries. It ranked China's top 500 enterprises for consecutive years, 30000+ employees keep AUX fast development for recent years.



R&D Strength

AUX Solar team is always adhered to the philosophy "quality is the footstone, innovation is the soul". We are market-oriented, focus on the analysis of product technology trends and based on the real demands of customers. In order to provide customers the best products and more values. We keep improving the core competitiveness of products, comprehensively to achieve product leadership in solar industry.



6 R&D centers



50+
Top experts in the industry



20117 Patents



100 million
Average annual investment



3 CNAS labs



5474 R&D
engineers

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THREE PHASE
ON-GRID INVERTER
70-110kW

THREE PHASE ON-GRID INVERTER



ASN-(70-110)TL

KEY FEATURES



String current
up to 32A



Wide MPPT
voltage range



Max. efficiency
98.6%



AFCI function



anti-backflow



I-V curve scan

	ASN-70TL	ASN-75TL	ASN-80TL	ASN-90TL	ASN-100TL	ASN-110TL
Input DC						
Max.input power	105kW	112.5kW	120kW	135kW	150kW	165kW
Max.input voltage	1100V					
Rated voltage	620V					
Start-up voltage	195V					
MPPT voltage range	180-1000V					
Max.input current	5*32A		6*32A		10*32A	
Max.short circuit current	5*50A		6*50A		10*50A	
MPPT number	5		6		10	
Max. input strings number	10		12		20	
Output AC						
Rated output power	70kW	75kW	80kW	90kW	100kW	110kW
Max.apparent output power	77kVA	82.5kVA	88kVA	99kVA	110kVA	121kVA
Max.output power	77kW	82.5kW	88kW	99kW	110kW	121kW
Rated grid voltage	220V/380V,230V/400V,3/N/PE					
Rated grid frequency	50Hz/60Hz					
Rated grid output current	101A	108.3A	115.5A	130A	144.5A	158.8A
Max.output current	111.1A	119.1A	127A	143A	158.8A	174.6A
Power factor	>0.99 (0.8 leading - 0.8 lagging)					
THDi	< 3%					
Efficiency						
Max. efficiency	98.50%					98.60%
EU efficiency	98.30%					98.30%
China efficiency	98%					98.10%
Protection						
Integrated DC switch				Yes		
DC reverse-polarity protection				Yes		
Anti-islanding protection				Yes		
Short circuit protection				Yes		
Output over current protection				Yes		
DC Surge protection				Type II		
AC Surge protection				Type II;Optional:Type I		
Insulation impedance detection				Yes		
Ground fault monitoring				Yes		
Residual leakage current detection				Yes		
Temperature protection				Yes		
Strings monitoring				Yes		
Anti-backflow				Yes		
Integrated AFCI (DC arc-fault circuit protection)				Yes		
I/V Curve scanning				Optional		
24-hour load monitoring				Optional		
General Data						
Dimensions (W*H*D)				1007*668*357mm		
Weight	83kg				88kg	
Self consumption(night)				< 2W		
Operating temperature range				-30...+60°C		
Cooling concept				Fan-cooling		
Max. operation altitude				4000m (Derating above 3000m)		
Relative humidity				0~100%		
Ingress protection				IP66		
Topology structure				Transformerless		
Grid connection standard	NB/T32004,EN 50549-1,IEC 61727,IEC 62116,NRS 097,VDE-AR-N 4110/4105					
Safety/EMC standard	IEC/EN 62109-1/2,EN IEC 61000-6-2/4,EN IEC 61000-3-11,EN 61000-3-12					
Type of DC terminal				MC4 connector		
Type of AC terminal				OT terminal		
Display&Communication						
Display				LED+Bluetooth+APP		
Communication Interface				RS485,Optional:WIFI,4G		

Note: The specification and key features described in this datasheet may deviate slightly and are not guaranteed. AUXSOL reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the latest version of the datasheet, any commercial contracts that may be signed will be based on the most recent version at the moment of signing the contract.